

WHAT IS CLAIMED IS

1. A high-frequency heat-sealing apparatus comprising a pair of openable-and-closable pressing members including a high-frequency heating mechanism for shaping a packing material of a laminate including a thermoplastic resin layer and a conductive material layer into a tubular shape and for heat-sealing said tubular packing material transversely together with a fluid,

wherein a ridge shaped to contain a partial curve is so formed on the action face of a high-frequency coil flush with the action face of one of the pressing members that it can press the central portion of a sealed zone having two rounded and narrowed right and left sides,

wherein a groove is so formed on the action face adjacent to the outer side on the container's interior side of a sealed zone that it can form a molten thermoplastic resin puddle, and

wherein a flash portion for a molten thermoplastic resin is formed adjacent to the outer side on the cutting side of the high-frequency coil.

2. The high-frequency heat-sealing apparatus according to claim 1, wherein the action face between the ridge and groove

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is inclined so that the interval of the paired pressing members when pressed gradually broadens as it goes toward the groove.

3. The high-frequency heat-sealing apparatus according to claim 1 or 2, further comprising a band-shaped magnetic member provided adjacent to the outer side on the container's interior side of the high-frequency coil.

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Sub 4. The high-frequency heat-sealing apparatus according to any of claims 1 to 3, wherein the ridge that can press the central portion of a sealed zone is one continuous linear ridge that traverses over the whole area of the longitudinal direction of a sealed zone.

5. The high-frequency heat-sealing apparatus according to any of claims 1 to 4, wherein the transverse contour of the ridge that can press the central portion of a sealed zone is arcuate.

6. The heat-sealing apparatus according to any of claims 1 to 5, wherein the cross section of the groove is arcuate, and the depth of the groove is no greater than one half of its width.